

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made.

Germany

1,538,595	H. R. Warsewa	Method and Device for the Numerical Control of Machines
2,162,837	R. Hartwick, G. Kundel, H. H. Lampe and P. Rudolph	Method and Arrangement for the Interrogation and Representation of Digital Values to be Measured

United Kingdom

1,360,520	G. D. Cavin	Card Punch Apparatus
1,363,173	I. C. George and N. W. Luland	Data Storage Apparatus

United States

3,854,563	R. L. Cowardin, G. C. Matuck, C. M. McCray, F. M. Powell, W. W. Pratt, D. C. Thomas, Jr. and W. D. Thorne	Arcuate Printer
3,854,604	C. E. Peterson and D. W. Schaefer	Article Storage and Retrieval
3,854,605	D. S. Proper and W. J. Rueger	Article Conveying
3,854,784	R. E. Hunt and W. M. Jenkins	Information Media Handling System
3,855,422	J. J. Cadiou, G. R. Guerinot, P. R. Callens and A. G. Tracal	Time Division Multiplexer with Each Frame Consisting of a Fixed Length Bit Oriented Address Field and a Variable Length Character Oriented Data Field
3,855,457	L. L. Amundson, W. E. Beuch, C. D. Green and W. J. Harris	Machine for Processing Merchandising Tickets in Both Roll and Individual Form
3,855,539	A. Croisier	Method and Apparatus for Noise Reduction in Discrete Phase Modulated Signals
3,855,547	J. P. Kirk	Optical Cavity for a Laser
3,855,609	I. E. Magdo and S. Magdo	Space Charge Limited Transistor Having Recessed Dielectric Isolation
3,855,616	R. C. Schneider	Phase Shift Reducing Digital Signal Recording Having No DC Component
3,855,625	M. F. Garnier, T. M. Tang and J. W. White	Magnetic Head Slider Assembly
3,855,738	R. C. Guggenheim, Sr. and F. V. Liucci	Crystal Indexing Fixture
3,856,229	J. W. Byram	Web Winding Spool
3,856,554	R. B. Jablonski and J. F. Martone	Pressure-Sensitive Carbonless Transfer Sheet and Method for Providing a Chemically Formed Image on an Untreated Substrate
3,856,647	A. G. Blachman	Multi-Layer Control or Stress in Thin Films
3,856,993	F. H. Closs, H. R. Mueller and D. Wild	Time Division Multiplex Exchange
3,857,629	M. J. Freiser	Fast Turn-off Nematic Liquid Optical Devices
3,857,724	P. Bakos	Primer for Electroless Plating
3,857,923	R. A. Gardner and D. L. Wilcox	Mullite Package for Integrated Circuit Devices
3,858,060	R. A. Kenyon	Integrated Driver Circuit
3,858,061	R. G. Carpenter and M. T. McMahon	Multiple Size Gates on FET Chips
3,858,071	B. M. Griffing and J. A. Glockler, Jr.	High Frequency, Low Inductance Generator
3,858,080	R. J. Wohl	Target Assemblies Especially for Single Chamber Deformographic Storage Display Tubes
3,858,145	M. Sulich and A. W. Vinal	Magnetic Circuit Device for a Contactless Switch or the Like
3,858,188	G. E. Keefe	Multiphase Magnetic Bubble Domain Decoder
3,858,189	W. F. Beausoleil, G. E. Keefe and E. L. Walker	Magneto Resistive Signal Multiplier for Sensing Magnetic Bubble Domains
3,858,231	I. E. Magdo and S. Magdo	Dielectrically Isolated Schottky Barrier Structure and Method of Forming the Same
3,858,284	M. J. Costa, J. C. Greenson, Jr. and P. H. Haberland	Method of Spacing the Plates of a Gaseous Discharge Device

3,858,553	H. J. Scheel	Apparatus for the Epitaxial Growth of Semiconducting Material by Liquid Phase Epitaxy from at Least Two Source Solutions
3,858,981	W. Jaerisch and G. Makosch	Method of Measuring Irregularities in the Evenness of Surfaces
3,859,130	C. C. Parker, R. W. Polleys and J. S. Vranka	Magnetic Alloy Particle Compositions and Method of Manufacture
3,859,176	D. C. T. Shang	Method for Making Thin Film Tungsten-Thorium Alloy
3,859,510	D. E. Fiehmman and K. C. Reynolds	Data Separation Circuitry for Reading Information From a Moving Support
3,859,553	T. R. Touw	Hexagonal Display Array Having Close-packed Cells
3,859,572	S. D. Keidl and J. F. Nelson	Magnetic Coil Driver Circuit
3,859,590	J. R. Cielo, W. A. Moorman and S. K. Rao	Waveform Averaging RC Circuit
3,859,632	G. Etter	Digital Input Scanner Guidance System
3,859,633	A. P. Ho and Y. M. Ting	Minutiae Recognition System
3,859,637	S. Platt, J. N. Pomeranz and D. K. Tewarson	On-Chip Auxiliary Latch for Down-Powering Array Latch Decoders
3,859,654	T. J. Harrison, G. A. Hellwarth and R. C. Jaeger	Analog to Digital Converter for Electrical Signals
3,859,662	A. B. Habich and J. W. Ward, Jr.	Transducer Track Selection Apparatus
3,859,711	D. R. McKiddy	Method of Detecting Misregistration of Internal Layers of a Multilayer Printed Circuit Panel
3,860,248	R. E. Hunt and W. M. Jenkins	Record Member Apparatus
3,860,454	D. De Witt and W. S. Johnson	Field Effect Transistor Structure for Minimizing Parasitic Inversion and Process for Fabricating
3,860,907	J. W. Marshall	Data Resynchronization Employing a Plurality of Decoders
3,860,958	C. C. Hanson	Offset Read/Write Magnetic Recording System with Guard Band
3,860,965	O. Voegeli	Magnetoresistive Read Head Assembly Having Matched Elements for Common Mode Rejection
3,861,863	B. S. Kudsi	Fusing Apparatus
3,861,913	C. Chiou	Electrophotographic Charge Generation Layer
3,861,968	I. E. Magdo and S. Magdo	Method of Fabricating Integrated Circuit Device Structure with Complementary Elements Utilizing Selective Thermal Oxidation and Selective Epitaxial Deposition
3,862,420	W. K. Banks and R. J. Cappell	System to Prevent the Formation of Particulate Material in Corona Units
3,862,831	M. Berkenblit, R. O. Lussow and A. Reisman	Glass Fabrication Process
3,862,857	R. J. Gambino	Method for Making Amorphous Semiconductor Thin Films
3,862,858	M. E. Cowher and T. O. Sedgwick	Method of Making Field Effect Layers
3,863,024	E. S. Caragliano and H. H. Nick	Directional Coupled Data Transmission System
3,863,074	J. F. O'Hanlon and W. B. Pennebaker	Low Temperature Plasma Anodization Apparatus
3,863,078	H. H. Zappe	Josephson Device Parametrons
3,863,090	W. B. Pennebaker, Jr.	Low Voltage Gas Discharge Display Structures for Improved Addressing
3,863,135	L. W. Atwood, P. S. Balasubramanian and J. B. Gillett	Regulated Transformerless Power Supply
3,863,219	G. D. Rohrer	Data Preprocessing System for Character Recognition Systems
3,863,229	J. E. Gersbach	SCR (OR SCS) Memory Array with Internal and External Load Resistors
3,863,232	D. D. Johnson, C. L. Kaufman, F. H. Lohrey and G. J. Robbins	Associative Array
3,863,603	L. W. Buckley, R. A. Daniels, J. D. Froula, A. H. Knight, D. C. Stapleton and G. T. Williams	Magnetic Brush Roll Having Resilient Polymeric Surface
3,864,020	J. A. Armstrong and D. R. Grischowsky	Light Controlled Light Modulator
3,864,583	B. C. Fiorino	Detection of Digital Data Using Integration Techniques
3,864,584	D. J. Hutson	High Speed Programmable Driver Circuit
3,864,691	E. N. Schroeder	Method and Apparatus for Printing Code Patterns by Non-Impact Means
3,864,692	J. A. McDonnel, R. E. McGuire and R. Radlinsky	Time Dependent Deflection Control for Ink Jet Printer
3,864,739	H. C. Jackson	Tape Motion Control in an Incrementing Magnetic Tape Transport